

**REPORT OF SUBSIDENCE SURVEY**

**JACKPILE MINE**

**LAGUNA, NEW MEXICO**

Confidential Claim Retracted

Authorized by: SC

Date: 6/20/13

**PREPARED BY HARMON ENGINEERING SURVEYS**

**Laguna, New Mexico**

**February 2, 1976**



**9404478**

**CONFIDENTIAL**

**POL-EPA01-0006498**

ABSTRACT:

A second order survey of thirty-four (34) points above present and projected tunneling associated with uranium mining activity.

All points involved in the subsidence survey are punched brass disks set in concrete, with the concrete monument projecting an average of twenty-four inches below the ground line.

For a base of control outside the area of projected subsidence, a first order quadrilateral was developed (see Fig. 1) for use in subsequent surveys.

Origin of coordinates and elevation for the project is based upon published coordinates for Tristation FM-19:

N: 1001934.160                      E: 988486.480  
Elev: 6438.664

Positional accuracy in northing and easting is projected as  $\pm 0.025'$  (major axis of error ellipse) and  $\pm 0.004'$  for elevations listed.

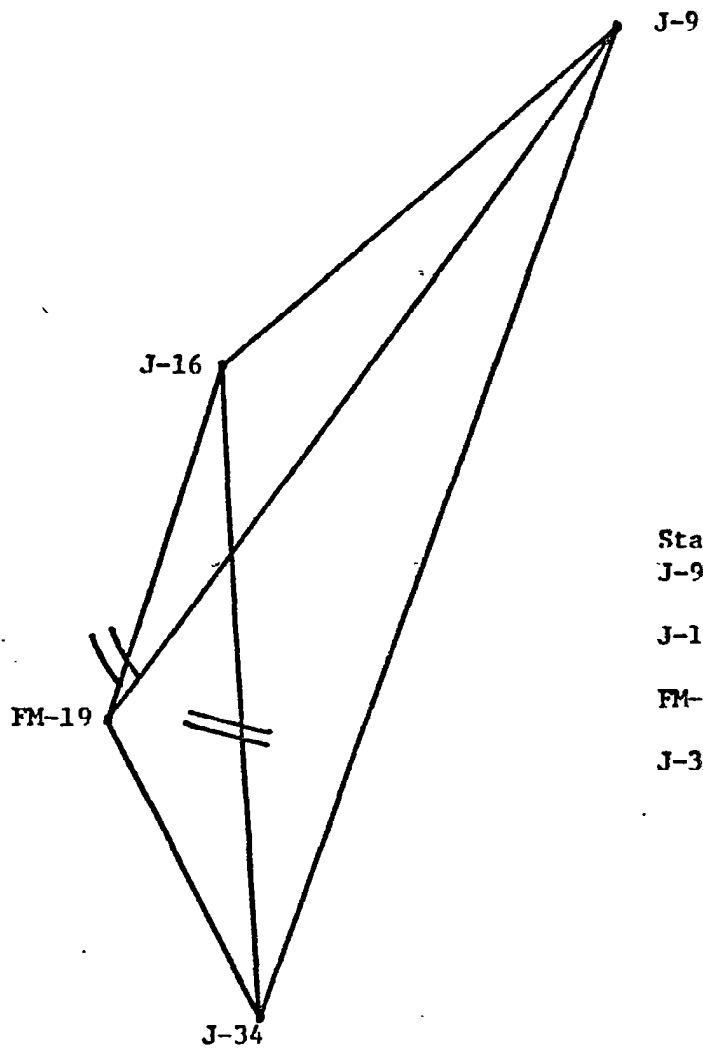
Date of survey is period January 23rd to February 3rd, 1976.

ANACONDA SUBSIDENCE SURVEY PROGRAM  
JACKPYLE MINE, LAGUNA, NEW MEXICO

POINT	NORTHING	EASTING	POINT	NORTHING	EASTING
1N	1001855.808000	990225.720000	2N	1001877.383000	990128.213000
3N	1001898.995000	990030.618000	4N	1001921.721000	989933.331000
5N	1001941.949000	989835.653000	6N	1001963.563000	989738.017000
7N	1001985.048000	989640.817000	8N	1002006.574000	989543.215000
9N	1002029.772000	989445.980000	10N	1002057.904000	989350.333000
11S	1001911.929000	989317.562000	12S	1001883.652000	989413.313000
13S	1001860.517000	989510.569000	14S	1001838.964000	989608.156000
15S	1001817.462000	989705.581000	16S	1001795.905000	989803.063000
17S	1001774.463000	989900.596000	18S	1001752.915000	989998.183000
19S	1001731.347000	990095.654000	20S	1001709.817000	990193.223000
21E	1002413.915000	988801.632000	22E	1002488.069000	988735.171000
23E	1002567.974000	988675.106000	24E	1002651.983000	988621.025000
25E	1002739.832000	988573.319000	26E	1002831.022000	988532.215000
27E	1002925.968000	988498.705000	28W	1002820.744000	988322.298000
29W	1002727.672000	988358.820000	30W	1002637.271000	988401.342000
31W	1002549.646000	988449.424000	32W	1002465.376000	988503.132000
33W	1002384.681000	988562.138000	34W	1002307.966000	988626.175000

POINT	ELEVATION	POINT	ELEVATION
1N	6281.611	2N	6288.550
3N	6293.597	4N	6303.779
5N	6315.679	6N	6313.817
7N	6325.274	8N	6333.117
9N	6346.807	10N	6356.419
11S	6364.244	12S	6355.790
13S	6349.487	14S	6349.066
15S	6329.382	16S	6319.279
17S	6317.522	18S	6311.188
19S	6303.924	20S	6297.436
21E	6374.552	22E	6374.411
23E	6370.097	24E	6372.278
25E	6375.064	26E	6375.344
27E	6362.668	28W	6382.056
29W	6389.707	30W	6396.273
31W	6390.166	32W	6396.564
33W	6397.531	34W	6395.114

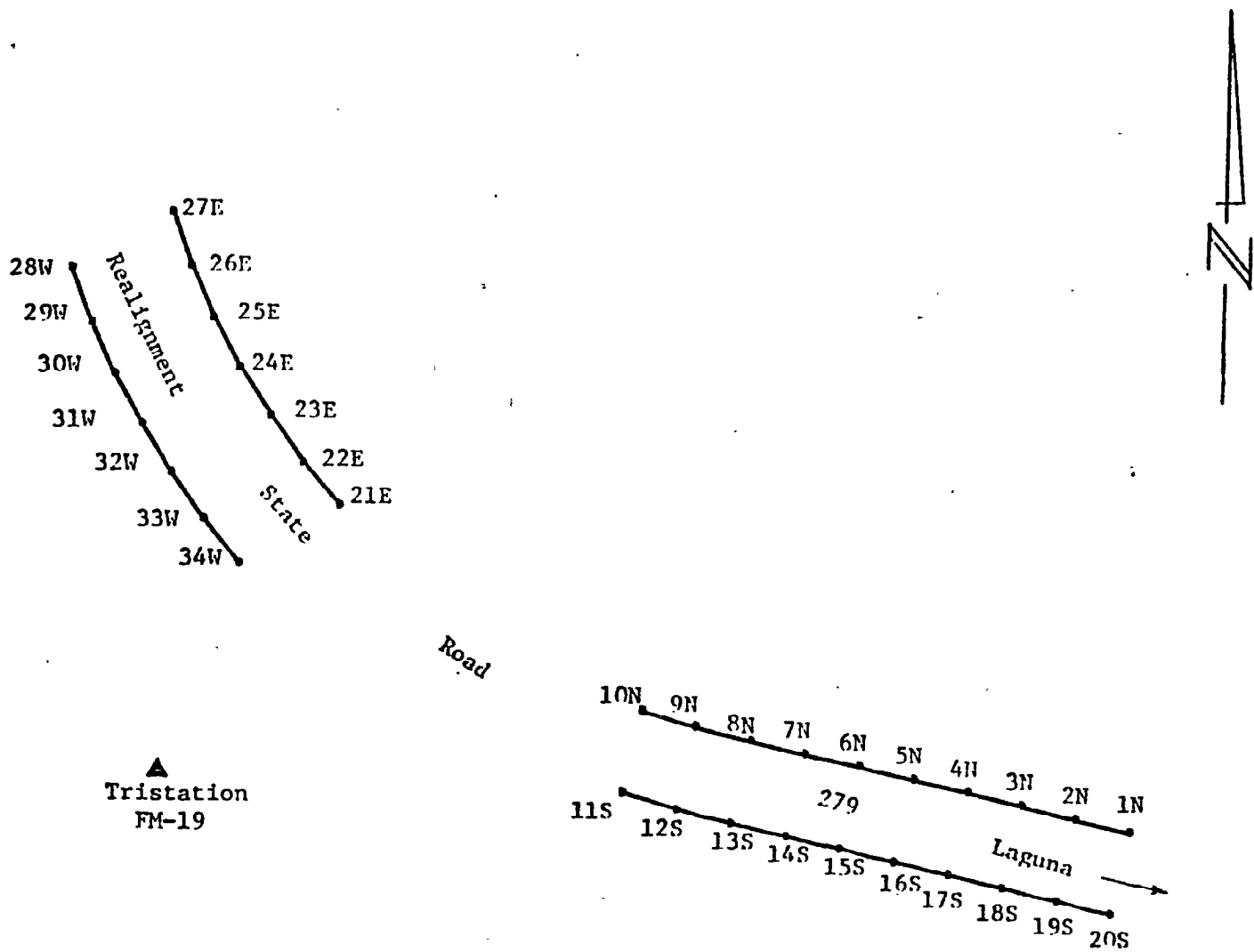
FIGURE 1: Control Quadrilateral for Subsidence Survey



Sta.	N	E
J-9	1009340.040	993787.109
J-16	1005700.341	989627.902
FM-19	1001934.160	988486.480
J-34	998846.909	990165.105

SCALE: 1" = 2000'

FIGURE 2: Configuration of Subsidence Stations



SCALE: 1" = 300'

# CERTIFICATION

This is to certify that the data contained within this report was derived from actual field surveys made by me or under my supervision, that all data is conformal to the specifications stated herein, and that the same is true and correct to the best of my knowledge and belief.

*Fred D. Marmon*

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Fred D. Marmon, Registered  
Land Surveyor, Certificate  
No. 2031

